

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number  
**WO 2005/069470 A1**

(51) International Patent Classification<sup>7</sup>: **H02M 7/10**

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:  
**PCT/KR2004/000056**

(22) International Filing Date: 14 January 2004 (14.01.2004)

(25) Filing Language: **Korean**

(26) Publication Language: **English**

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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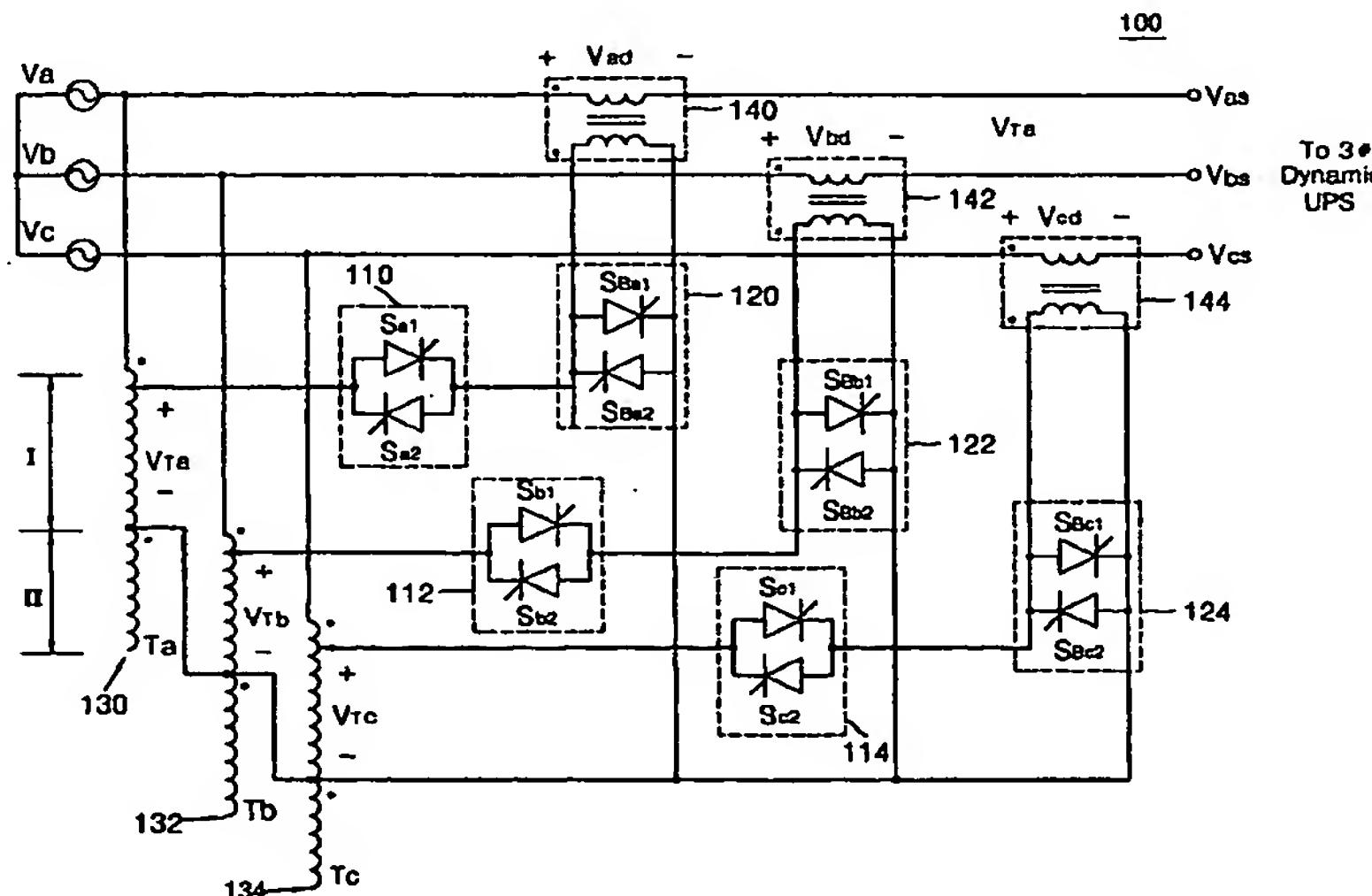
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

Published:  
— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SAG-SWELL AND OUTAGE GENERATOR FOR PERFORMANCE TEST OF CUSTOM POWER DEVICES



(57) Abstract: The present invention relates to a sag-swell generator for generating power signal with sag, swell and outage for use in testing custom power devices. The sag-swell generator comprises: a supply voltage unit for providing a supply voltage; a variable voltage adjusting unit for controlling the supply voltage according to a voltage ratio; a variable voltage-side switch unit selectively connected to the variable voltage adjusting unit; a transformer-side switch unit composed of dual switches connected anti-parallel to each other and a transformer, a primary side of which being connected to the transformer-side switch unit and a secondary side of which being serially connected to a load and a (-) terminal of the supply voltage.

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